

Converting Colors

XYZ(12.8600, 12.5906, 19.2052)

Have a look what the booklet for
XYZ(12.8600, 12.5906, 19.2052)
contains.

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Color

**XYZ(12.8600, 12.5906,
19.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	646177
RGB	100, 97, 119
RGB Percent	39%, 38%, 47%
CMY	0.6078, 0.6196, 0.5333
CMYK	0.16, 0.18, 0.00, 0.53
HSL	248°, 10%, 42%
HSV	248°, 18%, 47%
XYZ	12.8600, 12.5906, 19.2052
YIQ	100.4050, -5.2740, 7.4780

Conversions

Conversions Part 2

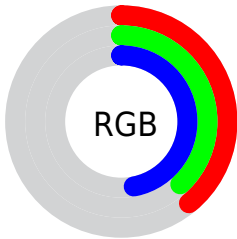
Format	Color
R_{YB}	100, 97, 119
Decimal	6578551
CIE _{Lab}	42.14, 6.08, -11.92
CIE _{LCh}	42, 13.385, 297.038
Yxy	12.5906, 0.2880, 0.2819
Android (android.graphics.Color)	4284768631 (0xFF646177)
YUV	100.4050, 9.1673, -0.3552
Hunter-Lab	35.4832, 2.5971, -7.2523

Details

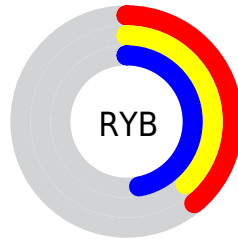
The XYZ color **12.8600, 12.5906, 19.2052** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9573, 17.7700, 13.8987**, and the grayscale version is **12.1952, 12.8302, 13.9721**.

A 20% lighter version of the original color is **30.7031, 30.6994, 42.8354**, and **3.7894, 3.5795, 6.4524** is the 20% darker color. If you saturate the color by 10%, you get **10.7760, 10.0048, 18.8161**, and if you desaturate by 10%, it is **15.2532, 15.5813, 19.6565**.

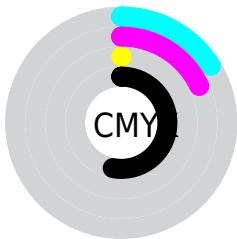
Distribution



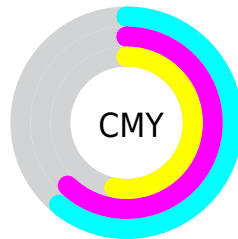
- Red (39%)
- Green (38%)
- Blue (47%)



- Red (39%)
- Yellow (38%)
- Blue (47%)



- Cyan (16%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8600, 12.5906, 19.2052 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.8600, 12.5906, 19.2052 by changing the saturation by 10% instead.

■ 12.8600, 12.5906,
19.2052

■ 12.8600, 12.5906,
19.2052

203.6743,
208.2770, 260.0396

■ 7.4085, 7.1472,
11.6403

■ 30.6555, 30.5663,
42.9219

■ 3.7675, 3.5544,
6.3797

■ 43.7303, 43.8674,
59.9107

■ 1.5714, 1.4275,
3.0048

■ 60.0768, 60.5566,
80.8780

■ 0.3737, 0.2369,
1.0971

■ 80.0605, 81.0182,
106.2423

■ 0.0000, 0.0000,
0.0000

104.0468,
105.6367, 136.4220

132.4009,

134.7963, 171.8358

165.4883,
168.8816, 212.9021

■ 12.8600, 12.5906,
19.2052

■ 12.8600, 12.5906,
19.2052

■ 10.7760, 10.0048,
18.8161

■ 15.2532, 15.5813,
19.6565

■ 8.9873, 7.8051,
18.4858

■ 17.9664, 18.9917,
20.1718

■ 7.4809, 5.9731,
18.2116

■ 21.0111, 22.8377,
20.7537

■ 6.2422, 4.4888,
17.9904

■ 24.3981, 27.1340,
21.4044

■ 5.2551, 3.3299,
17.8187

■ 28.1377, 31.8945,
22.1262

■ 4.5022, 2.4717,
17.6928

■ 32.2397, 37.1327,
22.9211

■ 3.9633, 1.8857,
17.6081

■ 36.7134, 42.8612,
23.7910

■ 3.5947, 1.4975,
17.5526

■ 41.5680, 49.0925,
24.7379

■ 3.5473, 1.4441,
17.5447

■ 46.8123, 55.8384,
25.7636

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



11.8682, 12.5906, 19.9571



12.8600, 12.5906, 19.2052



13.6490, 12.5906, 16.9192

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.8600, 12.5906, 19.2052



13.0409, 12.5906, 9.5983



10.1524, 12.5906, 13.4273

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.8600, 12.5906, 19.2052



15.9573, 17.7700, 13.8987

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.4292, 12.5906, 10.9330



12.8600, 12.5906, 19.2052



12.0663, 12.5906, 8.9236

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.8600, 12.5906, 19.2052



13.7575, 12.5906, 11.3611



11.1163, 12.5906, 9.3763



10.3390, 12.5906, 16.3600

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.8600, 12.5906, 19.2052



13.9346, 12.5906, 14.9780



11.1163, 12.5906, 9.3763



10.1939, 12.5906, 12.5138

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.8604, 12.5911, 19.2055



28.3957, 29.2582, 35.4039



14.5130, 16.3798, 19.8497



6.6747, 6.8651, 8.3800



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.8604, 12.5911, 19.2055



21.4435, 20.5751, 34.0943



14.1520, 13.2570, 19.2659



3.5428, 3.6116, 4.6006



3.7633, 1.5314, 18.6398



17.9016, 7.2371, 90.8137

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.0352, 13.7328, 18.3817



26.0773, 23.0086, 32.2957



14.5884, 17.0643, 13.8346



3.8062, 3.7498, 4.5062



10.6694, 5.2015, 13.9991



51.7612, 25.2546, 66.9969

Previews

White Background



This preview shows how the XYZ color 12.8600, 12.5906, 19.2052 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.8600, 12.5906, 19.2052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8600, 12.5906, 19.2052

Background



This preview shows how black text looks on a background with the XYZ color 12.8600, 12.5906, 19.2052.



This preview shows how white text looks on a background with the XYZ color 12.8600, 12.5906,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.8600, 12.5906, 19.2052

Protanopia

12.5713, 12.7126, 19.5605

Deuteranopia

12.7501, 12.5339, 19.2001



Tritanopia

12.1527, 12.5819, 15.6979

Trichromacy



Original Color

12.8600, 12.5906, 19.2052

Protanomaly

12.6876, 12.6328, 19.5390

Deuteranomaly

12.7501, 12.5339, 19.2001

Tritanomaly

12.3825, 12.5357, 16.8059

Monochromacy



Original Color

12.8600, 12.5906, 19.2052

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3712, 12.6945, 15.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8600, 12.5906, 19.2052 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(100, 97, 119)` looks like.

```
.text, #text, p{  
    color:rgb(100, 97, 119)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(100, 97, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 97, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.8600, 12.5906, 19.2052 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 97, 119) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(100, 97, 119) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(100, 97, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 97, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 97, 119);  
box-shadow:4px 4px 4px 4px rgb(100, 97,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8600, 12.5906, 19.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 97, 119) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(100, 97,  
119) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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